

**Final Summary Of Research
Report On**

The CHROME Honors Program
Grant #NAG-1-01127

For period:
October 1, 2001 – September 30, 2002

Submitted by:
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Principal Investigator

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Project Title: CHROME Honors Program

Introduction: The **CHROME Honors Program** was designed as a two-week residential program for 9th and 10th grade students participating in CHROME clubs. The curriculum focused on the health sciences with instruction from:

1. the science and health curriculum of the Dozoretz National Program for Minorities in Applied Sciences (DNIMAS) Program of Norfolk State University (NSU);
2. the humanities curriculum of the NSU Honors Program;
3. NASA-related curriculum in human physiology.

An Advisory Committee was formed to work with the Project Coordinator in the design of the summer program. Committee members represented: School of Science and Technology (Dr. Sandra DeLoatch, Dean); DNIMAS Program (Dr. Holly Baker, Director); Honors Program (Ms. Gwendolyn Pharr, Assistant Director); CHROME (Ms. Eleanor Wilson, Executive Director); and University Advancement (Dr. Clarence Coleman, Vice President). The Project Coordinator, Alicia Newby, is a middle school teacher at Southampton Middle School. She was selected based on her experience working with CHROME and NSU under other NASA-funded projects. She also has a background in the sciences and has worked in the medical field.

Through a tapestry of activities, scientific knowledge was integrated with topics in humanities. Scheduled activities included:

- Intensive math and science review
- Computer applications & technology;
- Laboratory work in state of the art research facilities;
- Preparing reports and making presentations;
- Lectures by prominent faculty and practicing professionals;
- Team projects;
- Tours, field trips, & cultural events;
- Intensive and challenging curricula;
- Real-world applications of science;
- Mentoring;
- Research based projects.

Program Data:

Program Dates:	June 17 – June 28, 2002
Location:	Campus of Norfolk State University
Number of Participants:	16 (Students were selected from a pool of applicants who responded to a competitive application process)
Gender:	10 Female 6 Male
Ethnicity:	15 Black/African American 1 White

Program & Student Outcomes:

Based on content assessments by instructors and program evaluations by staff, the following outcomes were achieved:

1. increased awareness of career opportunities (especially in the science/health professions);
2. increased knowledge of factors which assure academic success in college;
3. demonstrated skills enhancement in content areas and non-content areas.

Additionally, an orientation and closing session were held for parents, staff, and guests. For the closing ceremony, students created and presented Power Point presentations on what they had learned from the summer program.

As the students progress through their high school education, their progress will be monitored by the CHROME Central Office. Each year data on their math and science courses will be maintained in the CHROME database. Additionally upon graduation, students will complete a Senior Survey, which indicates their intended major and the college they plan to attend. Students will also be tracked for their enrollment in Norfolk State University and the DNIMAS and Honors Program.

Activities: See attached schedule.



WEEKLY SCHEDULES

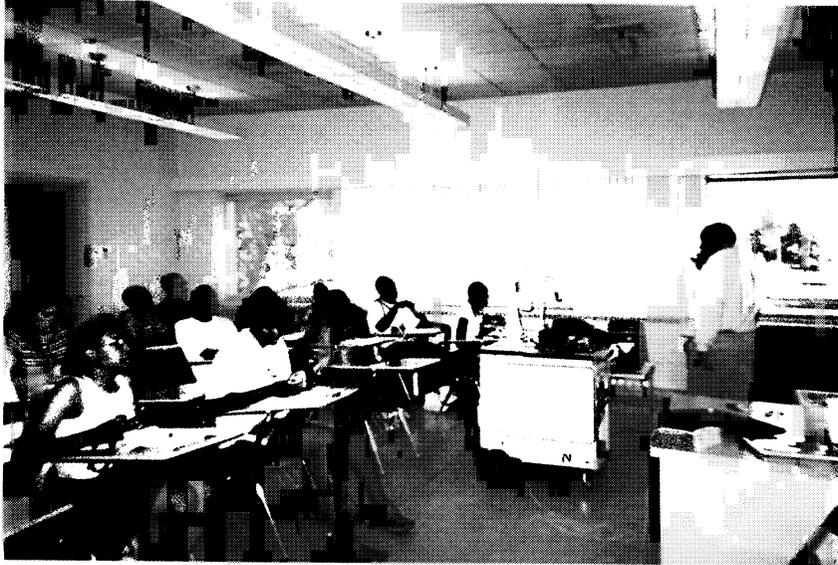
MONDAY 6/17	TUESDAY 6/18	WEDNESDAY 6/19	THURSDAY 6/20	FRIDAY 6/21	SATURDAY 6/22
9am Opening Session	8-8:50am Breakfast	8-8:50am Breakfast	8-8:50am Breakfast	8-8:50am Breakfast	9:30am Leave NSU
10am Dorm Check-in	9am-12pm EVMS	9-10:20am Physics class	9-10:20am Physics class	9-10:20am Physics class	10am Golden Coral Restaurant
11am ID Cards made	12:15- 12:50pm Lunch	10:30am-12pm Web page/Power Point class	10:30am-12pm Web page/Power Point class	10:40- 12pm Nauticus	12pm Williamsburg/ Jamestown
12:00-1:00pm Lunch	1-2:50pm Math class	12:15-12:50pm Lunch	12:15-12:50pm Lunch	12:15- 12:50pm Lunch	6:30pm Richmond Speed @ Rich Coliseum
1:30-2:15pm Campus Tour	3-4:20pm Medical Ethics class	1-2:50pm Math class	1-2:50pm Math class	1-2:50pm Math class	
2:15-2:50pm Dorm	4:30-5:20pm Dinner	3-4:20pm Medical Ethics class	3-4:20pm Medical Ethics class	3-4:20pm Medical Ethics class	
3-4:20pm Medical Ethics Class	5:30-6:30pm Death & Dying class	4:30-5:20pm Dinner	4:30-5:20pm Dinner	4:30- 5:20pm Dinner	
4:30-5:20pm Dinner	7-9pm Swimming (NSU)	5:30-7pm Death & Dying class	5:30-6:30pm Death & Dying class	5:30- 6:30pm Death & Dying class	
5:30-6:30pm Death & Dying Class		7-9pm Virginia Beach Oceanfront	7-9pm Mall	7pm Movie	
7pm Tides baseball game					



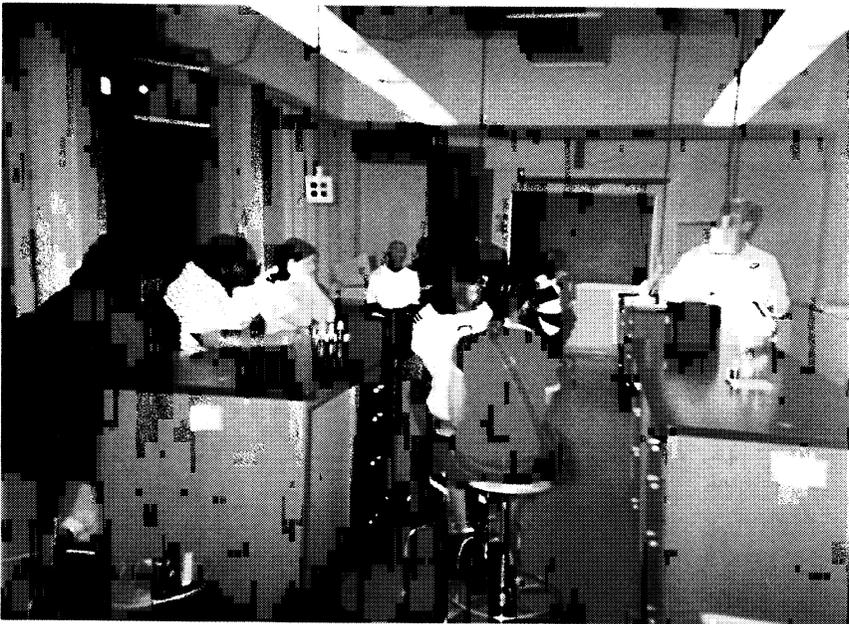
PROMOTIONS PROGRAM
NORFOLK STATE UNIVERSITY
 June 17 – 28, 2002

WEEKLY SCHEDULES

SUNDAY 6/23	MONDAY 6/24	TUESDAY 6/25	WEDNESDAY 6/26	THURSDAY 6/27	FRIDAY 6/28
9:30am Leave NSU	8-8:50am Breakfast	8-8:50am Breakfast	8-8:50am Breakfast	8-8:50am Breakfast	8-8:50am Breakfast
10am Ryan's restaurant	9-10:20am Physics class	9-10:20am Physics class	9-10:20am Physics class	9-10:20am Physics class	9-10:20am Physics class
12pm Norfolk Botanical Gardens	10:40am-12pm Speaker	10:40am-12pm Norfolk Zoo	10:30am-12pm Web page/Power Point class	10:30am-12pm Web page/Power Point class	10:30- 11:50am Speaker
2pm Chrysler Museum	12:30-12:50 Lunch	12:15-12:50 Lunch	12:15-12:50 Lunch	12:15-12:50 Lunch	12-12:50 Lunch
4:30pm Dorm	1-2:50pm Math class	1-2:50pm Math class	1-2:50pm Math class	1-2:50pm Math class	1-2:50pm Math class
5:30pm Spirit of Norfolk	3-4:20pm Public Speaking class	3-4:20pm Public Speaking class	3-4:20pm Public Speaking class	3-4:20pm Public Speaking class	3-4:20pm Public Speaking class
	4:30-5:20pm Dinner	4:30-5:20pm Dinner	4:30-5:20pm Dinner	4:30-5:20pm Dinner	5-7pm Closing Session Evening Speaker
	5:30-7:00pm Death & Dying Class	5:30-6:30pm Dorm	5:30-6:30pm Dorm	5:30-6:30pm Death & Dying class	
	7:30-9pm Waterside	7-9pm Swimming (NSU)	7-9pm Ice Skating	7-9pm Student Talent Show	



NSU faculty provide intensive Math and Science curricula



Students get an inside look at Eastern Virginia Medical School



A trip to Nauticus demonstrates real-world applications of technology